

# METHOD OF DECRYPTING DATA STORED ON A STORAGE DEVICE USING AN EMBEDDED ENCRYPTION/DECRYPTION MEANS

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5        A method of decrypting data is provided for decrypting data stored on a storage medium using an encryption/decryption means embedded on data storage engine for reading the data from the medium. The data storage engine generates at least a set of internal keys. The internal keys are used to decrypt a master media key stored on the storage medium. The master media key generates a set of medium keys. The medium keys are combined with the  
10 internal keys to generate a set of combined keys. The combined keys are used to decrypt portions of the data stored on the storage medium.